

Stephen S Hecht

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498
papers

26,271
citations

81
h-index

139
g-index

519
ext. papers

28,941
ext. citations

5.5
avg. IF

7.35
L-index

#	Paper	IF	Citations
498	Tobacco smoke carcinogens and lung cancer. <i>Journal of the National Cancer Institute</i> , 1999 , 91, 1194-2109.	9.7	1438
497	Tobacco carcinogens, their biomarkers and tobacco-induced cancer. <i>Nature Reviews Cancer</i> , 2003 , 3, 733-443.	14.5	1033
496	Biochemistry, biology, and carcinogenicity of tobacco-specific N-nitrosamines. <i>Chemical Research in Toxicology</i> , 1998 , 11, 559-603	4	897
495	Tobacco smoke carcinogens, DNA damage and p53 mutations in smoking-associated cancers. <i>Oncogene</i> , 2002 , 21, 7435-51	9.2	815
494	Tobacco-specific nitrosamines, an important group of carcinogens in tobacco and tobacco smoke. <i>Carcinogenesis</i> , 1988 , 9, 875-84	4.6	607
493	Environmental and chemical carcinogenesis. <i>Seminars in Cancer Biology</i> , 2004 , 14, 473-86	12.7	421
492	Smokeless tobacco and cancer. <i>Lancet Oncology, The</i> , 2008 , 9, 667-75	21.7	409
491	Inhibition of carcinogenesis by isothiocyanates. <i>Drug Metabolism Reviews</i> , 2000 , 32, 395-411	7	370
490	Cigarette smoking and lung cancer: chemical mechanisms and approaches to prevention. <i>Lancet Oncology, The</i> , 2002 , 3, 461-9	21.7	361
489	Human urinary carcinogen metabolites: biomarkers for investigating tobacco and cancer. <i>Carcinogenesis</i> , 2002 , 23, 907-22	4.6	318
488	Key Characteristics of Carcinogens as a Basis for Organizing Data on Mechanisms of Carcinogenesis. <i>Environmental Health Perspectives</i> , 2016 , 124, 713-21	8.4	290
487	Lung carcinogenesis by tobacco smoke. <i>International Journal of Cancer</i> , 2012 , 131, 2724-32	7.5	282
486	DNA adduct formation from tobacco-specific N-nitrosamines. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1999 , 424, 127-42	3.3	278
485	Effects of glucosinolate-rich broccoli sprouts on urinary levels of aflatoxin-DNA adducts and phenanthrene tetraols in a randomized clinical trial in He Zuo township, Qidong, People's Republic of China. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2005 , 14, 2605-13	4	245
484	Randomized Trial of Reduced-Nicotine Standards for Cigarettes. <i>New England Journal of Medicine</i> , 2015 , 373, 1340-9	59.2	237
483	Progress and challenges in selected areas of tobacco carcinogenesis. <i>Chemical Research in Toxicology</i> , 2008 , 21, 160-71	4	230
482	Comparison of Nicotine and Toxicant Exposure in Users of Electronic Cigarettes and Combustible Cigarettes. <i>JAMA Network Open</i> , 2018 , 1, e185937	10.4	224

481	Phenethyl isothiocyanate and sulforaphane and their N-acetylcysteine conjugates inhibit malignant progression of lung adenomas induced by tobacco carcinogens in A/J mice. <i>Cancer Research</i> , 2005 , 65, 8548-57	10.1	210
480	New and traditional smokeless tobacco: comparison of toxicant and carcinogen levels. <i>Nicotine and Tobacco Research</i> , 2008 , 10, 1773-82	4.9	195
479	Identification of DNA adducts of acetaldehyde. <i>Chemical Research in Toxicology</i> , 2000 , 13, 1149-57	4	193
478	Reduced nicotine content cigarettes: effects on toxicant exposure, dependence and cessation. <i>Addiction</i> , 2010 , 105, 343-55	4.6	177
477	Smokers with the CHRNA lung cancer-associated variants are exposed to higher levels of nicotine equivalents and a carcinogenic tobacco-specific nitrosamine. <i>Cancer Research</i> , 2008 , 68, 9137-40	10.1	166
476	Evaluation of toxicant and carcinogen metabolites in the urine of e-cigarette users versus cigarette smokers. <i>Nicotine and Tobacco Research</i> , 2015 , 17, 704-9	4.9	162
475	Tobacco smoke carcinogens and breast cancer. <i>Environmental and Molecular Mutagenesis</i> , 2002 , 39, 119-36	3.6	160
474	Cigarette smoking: cancer risks, carcinogens, and mechanisms. <i>Langenbeck's Archives of Surgery</i> , 2006 , 391, 603-13	3.4	155
473	A tobacco-specific lung carcinogen in the urine of men exposed to cigarette smoke. <i>New England Journal of Medicine</i> , 1993 , 329, 1543-6	59.2	155
472	The reemergence of smokeless tobacco. <i>New England Journal of Medicine</i> , 1986 , 314, 1020-7	59.2	155
471	Assessing secondhand smoke using biological markers. <i>Tobacco Control</i> , 2013 , 22, 164-71	5.3	152
470	Anthocyanins in black raspberries prevent esophageal tumors in rats. <i>Cancer Prevention Research</i> , 2009 , 2, 84-93	3.2	147
469	Effects of smoking cessation on eight urinary tobacco carcinogen and toxicant biomarkers. <i>Chemical Research in Toxicology</i> , 2009 , 22, 734-41	4	141
468	Transport of the beta -O-glucuronide conjugate of the tobacco-specific carcinogen 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanol (NNAL) by the multidrug resistance protein 1 (MRP1). Requirement for glutathione or a non-sulfur-containing analog. <i>Journal of Biological Chemistry</i> , 2001 , 276, 27011-14	5.4	136
467	Evaluation of butylated hydroxyanisole, myo-inositol, curcumin, esculetin, resveratrol and lycopene as inhibitors of benzo[a]pyrene plus 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone-induced lung tumorigenesis in A/J mice. <i>Cancer Letters</i> , 1999 , 137, 123-30	9.9	133
466	Urinary levels of tobacco-specific nitrosamine metabolites in relation to lung cancer development in two prospective cohorts of cigarette smokers. <i>Cancer Research</i> , 2009 , 69, 2990-5	10.1	131
465	Analysis of DNA and protein adducts of benzo[a]pyrene in human tissues using structure-specific methods. <i>Mutation Research - Reviews in Mutation Research</i> , 2003 , 543, 17-30	7	130
464	Cytochrome P450 enzymes as catalysts of metabolism of 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone, a tobacco specific carcinogen. <i>Chemical Research in Toxicology</i> , 2005 , 18, 95-110	4	129

463	Cancer prevention with freeze-dried berries and berry components. <i>Seminars in Cancer Biology</i> , 2007 , 17, 403-10	12.7	128
462	G to A transitions and G to T transversions in codon 12 of the Ki-ras oncogene isolated from mouse lung tumors induced by 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone (NNK) and related DNA methylating and pyridyloxobutylating agents. <i>Carcinogenesis</i> , 1993 , 14, 2419-22	4.6	128
461	Rapid single-dose model for lung tumor induction in A/J mice by 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone and the effect of diet. <i>Carcinogenesis</i> , 1989 , 10, 1901-4	4.6	127
460	Tobacco-specific nitrosamines: formation from nicotine in vitro and during tobacco curing and carcinogenicity in strain A mice. <i>Journal of the National Cancer Institute</i> , 1978 , 60, 819-24	9.7	125
459	Biochemical Verification of Tobacco Use and Abstinence: 2019 Update. <i>Nicotine and Tobacco Research</i> , 2020 , 22, 1086-1097	4.9	125
458	Rapid and sustainable detoxication of airborne pollutants by broccoli sprout beverage: results of a randomized clinical trial in China. <i>Cancer Prevention Research</i> , 2014 , 7, 813-823	3.2	124
457	Quantitation of acrolein-derived (3-hydroxypropyl)mercapturic acid in human urine by liquid chromatography-atmospheric pressure chemical ionization tandem mass spectrometry: effects of cigarette smoking. <i>Chemical Research in Toxicology</i> , 2007 , 20, 986-90	4	119
456	Mass spectrometric analysis of tobacco-specific nitrosamine-DNA adducts in smokers and nonsmokers. <i>Chemical Research in Toxicology</i> , 1991 , 4, 364-8	4	117
455	Effects of alpha-deuterium substitution on the mutagenicity of 4-(methyl-nitrosamino)-1-(3-pyridyl)-1-butanone (NNK). <i>Carcinogenesis</i> , 1983 , 4, 305-10	4.6	114
454	Tobacco-specific nitrosamines in new tobacco products. <i>Nicotine and Tobacco Research</i> , 2006 , 8, 309-13	4.9	113
453	Identification of cis-2-butene-1,4-dial as a microsomal metabolite of furan. <i>Chemical Research in Toxicology</i> , 1995 , 8, 903-6	4	113
452	Identification of an acetaldehyde adduct in human liver DNA and quantitation as N2-ethyldeoxyguanosine. <i>Chemical Research in Toxicology</i> , 2006 , 19, 319-24	4	112
451	Effects of alkyl chain length on the inhibition of NNK-induced lung neoplasia in A/J mice by arylalkyl isothiocyanates. <i>Carcinogenesis</i> , 1989 , 10, 1757-9	4.6	111
450	Comparative tumor initiating activity on mouse skin of 6-nitrobenzo[a]pyrene, 6-nitrochrysene, 3-nitroperylene, 1-nitropyrene and their parent hydrocarbons. <i>Cancer Letters</i> , 1982 , 16, 333-7	9.9	111
449	Reactions of formaldehyde plus acetaldehyde with deoxyguanosine and DNA: formation of cyclic deoxyguanosine adducts and formaldehyde cross-links. <i>Chemical Research in Toxicology</i> , 2003 , 16, 145-52	4	110
448	Similar uptake of lung carcinogens by smokers of regular, light, and ultralight cigarettes. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2005 , 14, 693-8	4	107
447	Characterization of amino acid and glutathione adducts of cis-2-butene-1,4-dial, a reactive metabolite of furan. <i>Chemical Research in Toxicology</i> , 1997 , 10, 866-74	4	100
446	Relationships between cigarette consumption and biomarkers of tobacco toxin exposure. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2005 , 14, 2963-8	4	100

445	Detection and quantitation of acrolein-derived 1,N2-propanodeoxyguanosine adducts in human lung by liquid chromatography-electrospray ionization-tandem mass spectrometry. <i>Chemical Research in Toxicology</i> , 2007 , 20, 565-71	4	99
444	Research opportunities related to establishing standards for tobacco products under the Family Smoking Prevention and Tobacco Control Act. <i>Nicotine and Tobacco Research</i> , 2012 , 14, 18-28	4.9	98
443	Pyridyloxobutyl adduct O6-[4-oxo-4-(3-pyridyl)butyl]guanine is present in 4-(acetoxymethylnitrosamino)-1-(3-pyridyl)-1-butanone-treated DNA and is a substrate for O6-alkylguanine-DNA alkyltransferase. <i>Chemical Research in Toxicology</i> , 1997 , 10, 562-7	4	98
442	A prospectively measured serum biomarker for a tobacco-specific carcinogen and lung cancer in smokers. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2009 , 18, 260-6	4	97
441	Evaluation of carcinogen exposure in people who used "reduced exposure" tobacco products. <i>Journal of the National Cancer Institute</i> , 2004 , 96, 844-52	9.7	95
440	Tobacco-specific nitrosamines and their pyridine-N-glucuronides in the urine of smokers and smokeless tobacco users. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2005 , 14, 885-91	4	95
439	Modulation of the metabolism of airborne pollutants by glucoraphanin-rich and sulforaphane-rich broccoli sprout beverages in Qidong, China. <i>Carcinogenesis</i> , 2012 , 33, 101-7	4.6	94
438	Effects of dietary indoles and isothiocyanates on N-nitrosodimethylamine and 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone alpha-hydroxylation and DNA methylation in rat liver. <i>Carcinogenesis</i> , 1985 , 6, 539-43	4.6	94
437	Genotoxicity of acetaldehyde- and crotonaldehyde-induced 1,N2-propanodeoxyguanosine DNA adducts in human cells. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2006 , 608, 1-7	3	92
436	Urinary levels of cigarette smoke constituent metabolites are prospectively associated with lung cancer development in smokers. <i>Cancer Research</i> , 2011 , 71, 6749-57	10.1	91
435	The biological significance of tobacco-specific N-nitrosamines: smoking and adenocarcinoma of the lung. <i>Critical Reviews in Toxicology</i> , 1996 , 26, 199-211	5.7	91
434	Evidence for 4-(3-pyridyl)-4-oxobutylolation of DNA in F344 rats treated with the tobacco-specific nitrosamines 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone and Np-nitrosornicotine. <i>Carcinogenesis</i> , 1988 , 9, 161-5	4.6	91
433	Nicotine metabolite ratio predicts smoking topography and carcinogen biomarker level. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2011 , 20, 234-8	4	89
432	Comparative tumorigenicity of benzo[a]pyrene, 1-nitropyrene and 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine administered by gavage to female CD rats. <i>Carcinogenesis</i> , 1995 , 16, 431-4	4.6	89
431	Similar exposure to a tobacco-specific carcinogen in smokeless tobacco users and cigarette smokers. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2007 , 16, 1567-72	4	87
430	Tumorigenicity in newborn mice of fjord region and other sterically hindered diol epoxides of benzo[g]chrysene, dibenzo[a,l]pyrene (dibenzo[def,p]chrysene), 4H-cyclopenta[def]chrysene and fluoranthene. <i>Carcinogenesis</i> , 1995 , 16, 2813-7	4.6	87
429	Mammary carcinogenicity in female CD rats of fjord region diol epoxides of benzo[c]phenanthrene, benzo[g]chrysene and dibenzo[a,l]pyrene. <i>Carcinogenesis</i> , 1995 , 16, 1971-4	4.6	87
428	Identification of adducts formed by pyridyloxobutylation of deoxyguanosine and DNA by 4-(acetoxymethylnitrosamino)-1-(3-pyridyl)-1-butanone, a chemically activated form of tobacco specific carcinogens. <i>Chemical Research in Toxicology</i> , 2003 , 16, 616-26	4	86

427	Lung tumor induction in A/J mice by the tobacco smoke carcinogens 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone and benzo[a]pyrene: a potentially useful model for evaluation of chemopreventive agents. <i>Carcinogenesis</i> , 1994 , 15, 2721-5	4.6	86
426	Carcinogenicity studies of inhaled cigarette smoke in laboratory animals: old and new. <i>Carcinogenesis</i> , 2005 , 26, 1488-92	4.6	85
425	Chemoprevention of esophageal cancer with black raspberries, their component anthocyanins, and a major anthocyanin metabolite, protocatechuic acid. <i>Cancer Prevention Research</i> , 2014 , 7, 574-84	3.2	84
424	Changing smokeless tobacco products new tobacco-delivery systems. <i>American Journal of Preventive Medicine</i> , 2007 , 33, S368-78	6.1	84
423	Metabolism of the tobacco-specific nitrosamine 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone in the patas monkey: pharmacokinetics and characterization of glucuronide metabolites. <i>Carcinogenesis</i> , 1993 , 14, 229-36	4.6	84
422	Exposure and Metabolic Activation Biomarkers of Carcinogenic Tobacco-Specific Nitrosamines. <i>Accounts of Chemical Research</i> , 2016 , 49, 106-14	24.3	83
421	Effects of reduced cigarette smoking on the uptake of a tobacco-specific lung carcinogen. <i>Journal of the National Cancer Institute</i> , 2004 , 96, 107-15	9.7	83
420	A review: dietary and endogenously formed N-nitroso compounds and risk of childhood brain tumors. <i>Cancer Causes and Control</i> , 2005 , 16, 619-35	2.8	83
419	Applying tobacco carcinogen and toxicant biomarkers in product regulation and cancer prevention. <i>Chemical Research in Toxicology</i> , 2010 , 23, 1001-8	4	82
418	Analysis of crotonaldehyde- and acetaldehyde-derived 1,n(2)-propanodeoxyguanosine adducts in DNA from human tissues using liquid chromatography electrospray ionization tandem mass spectrometry. <i>Chemical Research in Toxicology</i> , 2006 , 19, 1386-92	4	81
417	Metabolites of a tobacco-specific lung carcinogen in nonsmoking women exposed to environmental tobacco smoke. <i>Journal of the National Cancer Institute</i> , 2001 , 93, 378-81	9.7	81
416	NIH electronic cigarette workshop: developing a research agenda. <i>Nicotine and Tobacco Research</i> , 2015 , 17, 259-69	4.9	80
415	Cytochrome P450 2A-catalyzed metabolic activation of structurally similar carcinogenic nitrosamines: NPnitrosonornicotine enantiomers, N-nitrosopiperidine, and N-nitrosopyrrolidine. <i>Chemical Research in Toxicology</i> , 2005 , 18, 61-9	4	80
414	Formaldehyde and leukemia: epidemiology, potential mechanisms, and implications for risk assessment. <i>Environmental and Molecular Mutagenesis</i> , 2010 , 51, 181-91	3.2	79
413	Tobacco-specific nitrosamines in smokeless tobacco products marketed in India. <i>International Journal of Cancer</i> , 2005 , 116, 16-9	7.5	78
412	High-performance liquid chromatography-based determination of total isothiocyanate levels in human plasma: application to studies with 2-phenethyl isothiocyanate. <i>Analytical Biochemistry</i> , 2001 , 291, 279-89	3.1	78
411	Nicotine metabolism in three ethnic/racial groups with different risks of lung cancer. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2008 , 17, 3526-35	4	77
410	Chemoprevention of lung carcinogenesis in addicted smokers and ex-smokers. <i>Nature Reviews Cancer</i> , 2009 , 9, 476-88	31.3	76

409	Effect of Immediate vs Gradual Reduction in Nicotine Content of Cigarettes on Biomarkers of Smoke Exposure: A Randomized Clinical Trial. <i>JAMA - Journal of the American Medical Association</i> , 2018 , 320, 880-891	27.4	76
408	A study of tobacco carcinogenesis. XIV. Effects of NPnitrosonornicotine and NPnitrosonanabasine in rats. <i>Journal of the National Cancer Institute</i> , 1975 , 55, 977-81	9.7	75
407	Formation and accumulation of pyridyloxobutyl DNA adducts in F344 rats chronically treated with 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone and enantiomers of its metabolite, 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanol. <i>Chemical Research in Toxicology</i> , 2007 , 20, 235-45	4	73
406	Tumorigenicity and metabolism of 1-nitropyrene in A/J mice. <i>Carcinogenesis</i> , 1984 , 5, 1449-52	4.6	73
405	Urinary levels of the tobacco-specific carcinogen NPnitrosonornicotine and its glucuronide are strongly associated with esophageal cancer risk in smokers. <i>Carcinogenesis</i> , 2011 , 32, 1366-71	4.6	71
404	Effects of isothiocyanates on tumorigenesis by benzo[a]pyrene in murine tumor models. <i>Cancer Letters</i> , 1993 , 74, 151-9	9.9	71
403	Benzyl isothiocyanate: an effective inhibitor of polycyclic aromatic hydrocarbon tumorigenesis in A/J mouse lung. <i>Cancer Letters</i> , 2002 , 187, 87-94	9.9	70
402	Quantitation of pyridyloxobutyl DNA adducts of tobacco-specific nitrosamines in rat tissue DNA by high-performance liquid chromatography-electrospray ionization-tandem mass spectrometry. <i>Chemical Research in Toxicology</i> , 2006 , 19, 674-82	4	68
401	New DNA adducts of crotonaldehyde and acetaldehyde. <i>Toxicology</i> , 2001 , 166, 31-6	4.4	68
400	Detection of cyclic 1,N2-propanodeoxyguanosine adducts in DNA of rats treated with N-nitrosopyrrolidine and mice treated with crotonaldehyde. <i>Carcinogenesis</i> , 1989 , 10, 1291-7	4.6	68
399	Reaction of nicotine and sodium nitrite: formation of nitrosamines and fragmentation of the pyrrolidine ring. <i>Journal of Organic Chemistry</i> , 1978 , 43, 72-6	4.2	67
398	Biomarkers to assess the utility of potential reduced exposure tobacco products. <i>Nicotine and Tobacco Research</i> , 2006 , 8, 600-22	4.9	66
397	High throughput liquid and gas chromatography-tandem mass spectrometry assays for tobacco-specific nitrosamine and polycyclic aromatic hydrocarbon metabolites associated with lung cancer in smokers. <i>Chemical Research in Toxicology</i> , 2013 , 26, 1209-17	4	65
396	Induction of respiratory tract tumors in Syrian golden hamsters by a single dose of 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone (NNK) and the effect of smoke inhalation. <i>Carcinogenesis</i> , 1983 , 4, 1287-90	4.6	65
395	Analysis of 23 polycyclic aromatic hydrocarbons in smokeless tobacco by gas chromatography-mass spectrometry. <i>Chemical Research in Toxicology</i> , 2010 , 23, 66-73	4	63
394	Analysis of phenanthrene and benzo[a]pyrene tetraol enantiomers in human urine: relevance to the bay region diol epoxide hypothesis of benzo[a]pyrene carcinogenesis and to biomarker studies. <i>Chemical Research in Toxicology</i> , 2010 , 23, 900-8	4	63
393	The role of intestinal microflora in the metabolic reduction of 1-nitropyrene to 1-aminopyrene in conventional and germfree rats and in humans. <i>Cancer Letters</i> , 1983 , 19, 311-6	9.9	63
392	Quantitation of an acetaldehyde adduct in human leukocyte DNA and the effect of smoking cessation. <i>Chemical Research in Toxicology</i> , 2007 , 20, 108-13	4	62

391	Analysis of N- and O-glucuronides of 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanol (NNAL) in human urine. <i>Chemical Research in Toxicology</i> , 2002 , 15, 545-50	4	61
390	Tumorigenicity and metabolism of 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanol enantiomers and metabolites in the A/J mouse. <i>Carcinogenesis</i> , 1999 , 20, 1577-82	4.6	61
389	Identification of cyanidin glycosides as constituents of freeze-dried black raspberries which inhibit anti-benzo[a]pyrene-7,8-diol-9,10-epoxide induced NFkappaB and AP-1 activity. <i>Carcinogenesis</i> , 2006 , 27, 1617-26	4.6	60
388	Nicotine-derived N-nitrosamines (TSNA) and their relevance in tobacco carcinogenesis. <i>Critical Reviews in Toxicology</i> , 1991 , 21, 305-11	5.7	60
387	Chemical studies on tobacco smoke. XXXIII. NP-nitrosornicotine in tobacco: analysis of possible contributing factors and biologic implications. <i>Journal of the National Cancer Institute</i> , 1975 , 54, 1237-44 ^{9.7}		60
386	Indole-3-carbinol inhibits 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone plus benzo(a)pyrene-induced lung tumorigenesis in A/J mice and modulates carcinogen-induced alterations in protein levels. <i>Cancer Research</i> , 2007 , 67, 6502-11	10.1	59
385	Urinary tobacco smoke-constituent biomarkers for assessing risk of lung cancer. <i>Cancer Research</i> , 2014 , 74, 401-11	10.1	57
384	Clear differences in levels of a formaldehyde-DNA adduct in leukocytes of smokers and nonsmokers. <i>Cancer Research</i> , 2009 , 69, 7170-4	10.1	57
383	Effects of phenethyl isothiocyanate and benzyl isothiocyanate, individually and in combination, on lung tumorigenesis induced in A/J mice by benzo[a]pyrene and 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone. <i>Cancer Letters</i> , 2000 , 150, 49-56	9.9	57
382	Biomarkers of exposure to new and emerging tobacco delivery products. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017 , 313, L425-L452	5.8	56
381	Inhibition of lung tumorigenesis in A/J mice by N-acetyl-S-(N-2-phenethylthiocarbamoyl)-L-cysteine and myo-inositol, individually and in combination. <i>Carcinogenesis</i> , 2002 , 23, 1455-61	4.6	56
380	Kinetics of DNA adduct formation in the oral cavity after drinking alcohol. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2012 , 21, 601-8	4	55
379	Analysis of pyridyloxobutyl DNA adducts in F344 rats chronically treated with (R)- and (S)-NPnitrosornicotine. <i>Chemical Research in Toxicology</i> , 2007 , 20, 246-56	4	55
378	Carcinogen derived biomarkers: applications in studies of human exposure to secondhand tobacco smoke. <i>Tobacco Control</i> , 2004 , 13 Suppl 1, i48-56	5.3	54
377	Identification of O2-substituted pyrimidine adducts formed in reactions of 4-(acetoxymethylnitrosamino)-1-(3-pyridyl)-1-butanone and 4-(acetoxymethylnitrosamino)-1-(3-pyridyl)-1-butanol with DNA. <i>Chemical Research in Toxicology</i> , 2004 , 17, 588-97	4	54
376	Application of a high-resolution mass-spectrometry-based DNA adductomics approach for identification of DNA adducts in complex mixtures. <i>Analytical Chemistry</i> , 2014 , 86, 1744-52	7.8	53
375	Reduced nicotine content cigarettes and nicotine patch. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2013 , 22, 1015-24	4	52
374	Presence of the carcinogen NPnitrosornicotine in the urine of some users of oral nicotine replacement therapy products. <i>Cancer Research</i> , 2009 , 69, 8236-40	10.1	51

373	Mass spectrometric analysis of relative levels of pyridyloxobutylation adducts formed in the reaction of DNA with a chemically activated form of the tobacco-specific carcinogen 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone. <i>Chemical Research in Toxicology</i> , 2005 , 18, 1048-55	4	51
372	(S)-NPnitrosonornicotine, a constituent of smokeless tobacco, is a powerful oral cavity carcinogen in rats. <i>Carcinogenesis</i> , 2013 , 34, 2178-83	4.6	50
371	Children's exposure to secondhand and thirdhand smoke carcinogens and toxicants in homes of hookah smokers. <i>Nicotine and Tobacco Research</i> , 2014 , 16, 961-75	4.9	49
370	Biomarkers to assess the utility of potential reduced exposure tobacco products. <i>Nicotine and Tobacco Research</i> , 2006 , 8, 169-91	4.9	48
369	Solvolysis of model compounds for alpha-hydroxylation of NPnitrosonornicotine and 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone: evidence for a cyclic oxonium ion intermediate in the alkylation of nucleophiles. <i>Chemical Research in Toxicology</i> , 1990 , 3, 350-6	4	48
368	Comprehensive analysis of urinary metabolites of NPnitrosonornicotine. <i>Carcinogenesis</i> , 1981 , 2, 833-8	4.6	48
367	Carcinogenic tobacco-specific N-nitrosamines in US cigarettes: three decades of remarkable neglect by the tobacco industry. <i>Tobacco Control</i> , 2012 , 21, 44-8	5.3	47
366	Identification of crotonaldehyde as a hepatic microsomal metabolite formed by alpha-hydroxylation of the carcinogen N-nitrosopyrrolidine. <i>Chemical Research in Toxicology</i> , 1988 , 1, 28-31	4	47
365	Effects of benzyl isothiocyanate and phenethyl isothiocyanate on benzo[a]pyrene metabolism and DNA adduct formation in the A/J mouse. <i>Carcinogenesis</i> , 2000 , 21, 1711-9	4.6	45
364	Clinical Trial of 2-Phenethyl Isothiocyanate as an Inhibitor of Metabolic Activation of a Tobacco-Specific Lung Carcinogen in Cigarette Smokers. <i>Cancer Prevention Research</i> , 2016 , 9, 396-405	3.2	44
363	Analysis of acrolein-derived 1,N2-propanodeoxyguanosine adducts in human leukocyte DNA from smokers and nonsmokers. <i>Chemical Research in Toxicology</i> , 2011 , 24, 119-24	4	44
362	N2-ethyldeoxyguanosine as a potential biomarker for assessing effects of alcohol consumption on DNA. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2008 , 17, 3026-32	4	44
361	Effects of deuterium substitution on the tumorigenicity of 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone and 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanol in A/J mice. <i>Carcinogenesis</i> , 1990 , 11, 1017-20	4.6	44
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230	Temporal stability of urinary and plasma biomarkers of tobacco smoke exposure among cigarette smokers. <i>Biomarkers</i> , 2010 , 15, 345-52	2.6	24

229	Exposure to the carcinogen 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone (NNK) in smokers from 3 populations with different risks of lung cancer. <i>International Journal of Cancer</i> , 2009 , 125, 2418-24	7.5	24
228	Liquid chromatography-electrospray ionization tandem mass spectrometry analysis of 7-ethylguanine in human liver DNA. <i>Chemical Research in Toxicology</i> , 2007 , 20, 1498-502	4	24
227	Mutagenicity, metabolism and DNA adduct formation of 6-nitrochrysene in <i>Salmonella typhimurium</i> . <i>Mutagenesis</i> , 1989 , 4, 235-40	2.8	24
226	Investigations of metabolic precursors to hemoglobin and DNA adducts of 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone. <i>Carcinogenesis</i> , 1990 , 11, 1329-33	4.6	24
225	Effects of the co-carcinogen catechol on benzo[a]pyrene metabolism and DNA adduct formation in mouse skin. <i>Carcinogenesis</i> , 1986 , 7, 9-15	4.6	24
224	Oral Cell DNA Adducts as Potential Biomarkers for Lung Cancer Susceptibility in Cigarette Smokers. <i>Chemical Research in Toxicology</i> , 2017 , 30, 367-375	4	23
223	The sphingolipid degradation product trans-2-hexadecenal forms adducts with DNA. <i>Biochemical and Biophysical Research Communications</i> , 2012 , 424, 18-21	3.4	23
222	Berry ellagitannins may not be sufficient for prevention of tumors in the rodent esophagus. <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 3992-5	5.7	23
221	The ratio of a urinary tobacco-specific lung carcinogen metabolite to cotinine is significantly higher in passive than in active smokers. <i>Biomarkers</i> , 2011 , 16, 491-7	2.6	23
220	Detection of cotinine in newborn dried blood spots. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2007 , 16, 1902-5	4	23
219	Stereoselective metabolism and tissue retention in rats of the individual enantiomers of 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanol (NNAL), metabolites of the tobacco-specific nitrosamine, 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone (NNK). <i>Carcinogenesis</i> , 2004 , 25, 1237-42	4.6	23
218	Stereospecific deuterium substitution attenuates the tumorigenicity and metabolism of the tobacco-specific nitrosamine 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone (NNK). <i>Chemical Research in Toxicology</i> , 2003 , 16, 794-806	4	23
217	Chromatographic conditions for separation of ³² P-labeled phosphates of major polynuclear aromatic hydrocarbon--deoxyribonucleoside adducts. <i>Carcinogenesis</i> , 1989 , 10, 1971-4	4.6	23
216	Urinary concentrations of monohydroxylated polycyclic aromatic hydrocarbons in adults from the U.S. Population Assessment of Tobacco and Health (PATH) Study Wave 1 (2013-2014). <i>Environment International</i> , 2019 , 123, 201-208	12.9	22
215	Uptake of the tobacco-specific lung carcinogen 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone by Moldovan children. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2006 , 15, 7-11	4	22
214	The association of a tobacco-specific biomarker and cigarette consumption and its dependence on host characteristics. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2007 , 16, 1852-7	4	22
213	Lactols in hydrolysates of DNA treated with alpha-acetoxy-N-nitrosopyrrolidine or crotonaldehyde. <i>Chemical Research in Toxicology</i> , 1998 , 11, 1567-73	4	22
212	On the analysis of 1-nitronaphthalene, 1-nitropyrene and 6-nitrochrysene in cigarette smoke. <i>Carcinogenesis</i> , 1985 , 6, 505-7	4.6	22

211	A study of chemical carcinogenesis. 91. Reactions with deoxyguanosine of 4-(carbethoxynitrosamino)-1-(3-pyridyl)-1-butanone, a model compound for .alpha.-hydroxylation of tobacco-specific nitrosamines. <i>Journal of the American Chemical Society</i> , 1986 , 108, 1292-1295	16.4	22
210	Effects of ortho-methyl substituents on the mutagenicity of aminobiphenyls and aminonaphthalenes. <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , 1981 , 90, 345-54		22
209	Identification of metabolites of benzo[b]fluoranthene. <i>Carcinogenesis</i> , 1982 , 3, 171-4	4.6	22
208	Kinetics of nornicotine and anabasine nitrosation in relation to NPnitrosonornicotine occurrence in tobacco and to tobacco-induced cancer. <i>Journal of the National Cancer Institute</i> , 1977 , 59, 1211-3	9.7	22
207	Effects of 6-Week Use of Very Low Nicotine Content Cigarettes in Smokers With Serious Mental Illness. <i>Nicotine and Tobacco Research</i> , 2019 , 21, S38-S45	4.9	22
206	Analysis of Acrolein-Derived 1, N-Propanodeoxyguanosine Adducts in Human Lung DNA from Smokers and Nonsmokers. <i>Chemical Research in Toxicology</i> , 2019 , 32, 318-325	4	22
205	Dihydromethysticin from kava blocks tobacco carcinogen 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone-induced lung tumorigenesis and differentially reduces DNA damage in A/J mice. <i>Carcinogenesis</i> , 2014 , 35, 2365-72	4.6	21
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203	Chemopreventive agents modulate the protein expression profile of 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone plus benzo[a]pyrene-induced lung tumors in A/J mice. <i>Carcinogenesis</i> , 2008 , 29, 610-9	4.6	21
202	Reactions of 2,6-dimethyl-1,3-dioxane-4-ol (aldoxane) with deoxyguanosine and DNA. <i>Chemical Research in Toxicology</i> , 2001 , 14, 1025-32	4	21
201	Evidence that a hemoglobin adduct of 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone is a 4-(3-pyridyl)-4-oxobutyl carboxylic acid ester. <i>Chemical Research in Toxicology</i> , 1992 , 5, 76-80	4	21
200	Formation and tumorigenicity of benzo[b]fluoranthene metabolites in mouse epidermis. <i>Carcinogenesis</i> , 1987 , 8, 1579-84	4.6	21
199	Comparative carcinogenicity of o-toluidine hydrochloride and o-nitrosotoluene in F-344 rats. <i>Cancer Letters</i> , 1982 , 16, 103-8	9.9	21
198	A study of chemical carcinogenesis: Comparative carcinogenicity of 5-methylchrysene, benzo(a)pyrene, and modified chrysenes. <i>Cancer Letters</i> , 1975 , 1, 147-153	9.9	21
197	Analysis of phenanthrols in human urine by gas chromatography-mass spectrometry: potential use in carcinogen metabolite phenotyping. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2004 , 13, 2167-74	4	21
196	Tobacco-specific N-nitrosamines and polycyclic aromatic hydrocarbons in cigarettes smoked by the participants of the Shanghai Cohort Study. <i>International Journal of Cancer</i> , 2016 , 139, 1261-9	7.5	20
195	DNA Adduct Formation from Metabolic 5PHydroxylation of the Tobacco-Specific Carcinogen NPNitrosonornicotine in Human Enzyme Systems and in Rats. <i>Chemical Research in Toxicology</i> , 2016 , 29, 380-9	4	20
194	Kava blocks 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone-induced lung tumorigenesis in association with reducing O6-methylguanine DNA adduct in A/J mice. <i>Cancer Prevention Research</i> , 2014 , 7, 86-96	3.2	20

193	Lung tumorigenesis suppressing effects of a commercial kava extract and its selected compounds in A/J mice. <i>The American Journal of Chinese Medicine</i> , 2011 , 39, 727-42	6	20
192	Endogenous formation of NPNitrosornicotine in F344 rats in the presence of some antioxidants and grape seed extract. <i>Journal of Agricultural and Food Chemistry</i> , 2007 , 55, 7199-204	5.7	20
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190	Metabolites of a tobacco-specific lung carcinogen in nonsmoking casino patrons. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2003 , 12, 1544-6	4	20
189	Acrolein Exposure in Hookah Smokers and Non-Smokers Exposed to Hookah Tobacco Secondhand Smoke: Implications for Regulating Hookah Tobacco Products. <i>Nicotine and Tobacco Research</i> , 2018 , 20, 492-501	4.9	19
188	Combined analysis of NPNitrosornicotine and 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanol in the urine of cigarette smokers and e-cigarette users. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015 , 1007, 121-6	3.2	19
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186	Exposure to nicotine and a tobacco-specific carcinogen increase with duration of use of smokeless tobacco. <i>Tobacco Control</i> , 2008 , 17, 128-31	5.3	19
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184	Metabolism and pharmacokinetics of NPNitrosornicotine in the patas monkey. <i>Drug Metabolism and Disposition</i> , 2002 , 30, 1115-22	4	19
183	Analysis of tobacco-specific nitrosamines in Moldovan cigarette tobacco. <i>Journal of Agricultural and Food Chemistry</i> , 2002 , 50, 2793-7	5.7	19
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181	Effects of alpha-deuterium substitution on the tumorigenicity of 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone in F344 rats. <i>Carcinogenesis</i> , 1987 , 8, 291-4	4.6	19
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179	Effects of cruciferous vegetable consumption on urinary metabolites of the tobacco-specific lung carcinogen 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone in singapore chinese. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2004 , 13, 997-1004	4	19
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177	Analysis of O(6)-[4-(3-Pyridyl)-4-oxobut-1-yl]-2Pdeoxyguanosine and Other DNA Adducts in Rats Treated with Enantiomeric or Racemic NPNitrosornicotine. <i>Chemical Research in Toxicology</i> , 2016 , 29, 87-95	4	18
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174	FEMA GRAS assessment of natural flavor complexes: Citrus-derived flavoring ingredients. <i>Food and Chemical Toxicology</i> , 2019 , 124, 192-218	4.7	18
173	Effects of reduced cigarette smoking on levels of 1-hydroxypyrene in urine. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2004 , 13, 834-42	4	18
172	Updated procedure for the safety evaluation of natural flavor complexes used as ingredients in food. <i>Food and Chemical Toxicology</i> , 2018 , 113, 171-178	4.7	17
171	Analysis and Identification of 2PDeoxyadenosine-Derived Adducts in Lung and Liver DNA of F-344 Rats Treated with the Tobacco-Specific Carcinogen 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone and Enantiomers of its Metabolite 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanol. <i>Chemical Research in Toxicology</i> , 2018 , 31, 358-370	4	17
170	Analysis of phenanthrene diol epoxide mercapturic acid detoxification products in human urine: relevance to molecular epidemiology studies of glutathione S-transferase polymorphisms. <i>Carcinogenesis</i> , 2008 , 29, 937-43	4.6	17
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164	Evaluation of Nitrosamide Formation in the Cytochrome P450-Mediated Metabolism of Tobacco-Specific Nitrosamines. <i>Chemical Research in Toxicology</i> , 2016 , 29, 2194-2205	4	16
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161	Identification of adducts formed in the reactions of 5Pacetoxy-NPnitrosornicotine with deoxyadenosine, thymidine, and DNA. <i>Chemical Research in Toxicology</i> , 2008 , 21, 2164-71	4	16
160	Smokeless tobacco topography and toxin exposure. <i>Nicotine and Tobacco Research</i> , 2005 , 7, 469-74	4.9	16
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158	The effect of chronic ethanol consumption on the tumorigenicity of N-nitrosopyrrolidine in male Syrian golden hamsters. <i>Cancer Letters</i> , 1986 , 33, 151-9	9.9	16

157	Mutagenicity of K-region derivatives of 1-nitropyrene; remarkable activity of 1- and 3-nitro-5H-phenanthro[4,5-bcd]pyran-5-one. <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , 1986 , 170, 31-40		16
156	N-nitrosamines: environmental occurrence, in vivo formation and metabolism. <i>Journal of Toxicology: Clinical Toxicology</i> , 1982 , 19, 661-88		16
155	Benzene Uptake and Glutathione S-transferase T1 Status as Determinants of S-Phenylmercapturic Acid in Cigarette Smokers in the Multiethnic Cohort. <i>PLoS ONE</i> , 2016 , 11, e0150641	3.7	16
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153	Dose-dependent detoxication of the airborne pollutant benzene in a randomized trial of broccoli sprout beverage in Qidong, China. <i>American Journal of Clinical Nutrition</i> , 2019 , 110, 675-684	7	15
152	Genetic variability in the metabolism of the tobacco-specific nitrosamine 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone (NNK) to 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanol (NNAL). <i>International Journal of Cancer</i> , 2012 , 130, 1338-46	7.5	15
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149	Identification of adducts formed in the reaction of alpha-acetoxy-N-nitrosopyrrolidine with deoxyribonucleosides and DNA. <i>Chemical Research in Toxicology</i> , 2007 , 20, 625-33	4	15
148	Quantitation of N-acetyl-S-(9,10-dihydro-9-hydroxy-10-phenanthryl)-L-cysteine in human urine: comparison with glutathione-S-transferase genotypes in smokers. <i>Chemical Research in Toxicology</i> , 2006 , 19, 1234-40	4	15
147	Elevated levels of mercapturic acids of acrolein and crotonaldehyde in the urine of Chinese women in Singapore who regularly cook at home. <i>PLoS ONE</i> , 2015 , 10, e0120023	3.7	14
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143	Synthesis of 6-methylchrysene-1,2-diol-3,4-epoxides and comparison of their mutagenicity to 5-methylchrysene-1,2-diol-3,4-epoxides. <i>Carcinogenesis</i> , 1986 , 7, 2067-70	4.6	14
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141	GRASr2 evaluation of aliphatic acyclic and alicyclic terpenoid tertiary alcohols and structurally related substances used as flavoring ingredients. <i>Journal of Food Science</i> , 2014 , 79, R428-41	3.4	13
140	Approaches to Chemoprevention of Lung Cancer Based on Carcinogens in Tobacco Smoke. <i>Environmental Health Perspectives</i> , 1997 , 105, 955	8.4	13

139	Smokeless tobacco reduction: preliminary study of tobacco-free snuff versus no snuff. <i>Nicotine and Tobacco Research</i> , 2008 , 10, 77-85	4.9	13
138	Preferential metabolic activation of N-nitrosopiperidine as compared to its structural homologue N-nitrosopyrrolidine by rat nasal mucosal microsomes. <i>Chemical Research in Toxicology</i> , 2003 , 16, 1298-305	4.5	13
137	Formation of 7-(4-oxobutyl)guanine in hepatic DNA of rats treated with N-nitrosopyrrolidine. <i>Carcinogenesis</i> , 1992 , 13, 1909-11	4.6	13
136	Longitudinal stability in cigarette smokers of urinary biomarkers of exposure to the toxicants acrylonitrile and acrolein. <i>PLoS ONE</i> , 2019 , 14, e0210104	3.7	13
135	Benzene oxide is a substrate for glutathione S-transferases. <i>Chemico-Biological Interactions</i> , 2015 , 242, 390-5	5	12
134	The safety evaluation of food flavoring substances: the role of genotoxicity studies. <i>Critical Reviews in Toxicology</i> , 2020 , 50, 1-27	5.7	12
133	Biomarkers of Exposure among Adult Smokeless Tobacco Users in the Population Assessment of Tobacco and Health Study (Wave 1, 2013-2014). <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2020 , 29, 659-667	4	12
132	The safety evaluation of food flavouring substances: the role of metabolic studies. <i>Toxicology Research</i> , 2018 , 7, 618-646	2.6	12
131	Safety evaluation of substituted thiophenes used as flavoring ingredients. <i>Food and Chemical Toxicology</i> , 2017 , 99, 40-59	4.7	12
130	Pyridylhydroxybutyl and pyridyloxobutyl DNA phosphate adduct formation in rats treated chronically with enantiomers of the tobacco-specific nitrosamine metabolite 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanol. <i>Mutagenesis</i> , 2017 , 32, 561-570	2.8	12
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128	Analysis of adducts in hepatic DNA of rats treated with N-nitrosopyrrolidine. <i>Chemical Research in Toxicology</i> , 2007 , 20, 634-40	4	12
127	Preparation of pyridine-N-glucuronides of tobacco-specific nitrosamines. <i>Chemical Research in Toxicology</i> , 2001 , 14, 555-61	4	12
126	Synthesis of K-region derivatives of the carcinogen 1-nitropyrene. <i>Carcinogenesis</i> , 1986 , 7, 1577-80	4.6	12
125	FEMA GRAS assessment of natural flavor complexes: Mint, buchu, dill and caraway derived flavoring ingredients. <i>Food and Chemical Toxicology</i> , 2020 , 135, 110870	4.7	12
124	Tobacco-Specific Nitrosamines (NNAL, NNN, NAT, and NAB) Exposures in the US Population Assessment of Tobacco and Health (PATH) Study Wave 1 (2013-2014). <i>Nicotine and Tobacco Research</i> , 2021 , 23, 573-583	4.9	12
123	Methyl DNA Phosphate Adduct Formation in Rats Treated Chronically with 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone and Enantiomers of Its Metabolite 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanol. <i>Chemical Research in Toxicology</i> , 2018 , 31, 48-57	4	12
122	Associations Between Genetic Ancestries and Nicotine Metabolism Biomarkers in the Multiethnic Cohort Study. <i>American Journal of Epidemiology</i> , 2015 , 182, 945-51	3.8	11

121	Effects of cessation of cigarette smoking on eicosanoid biomarkers of inflammation and oxidative damage. <i>PLoS ONE</i> , 2019 , 14, e0218386	3.7	11
120	Longitudinal study of [D10]phenanthrene metabolism by the diol epoxide pathway in smokers. <i>Biomarkers</i> , 2013 , 18, 144-50	2.6	11
119	Self-reported Tobacco use does not correlate with carcinogen exposure in smokers with head and neck cancer. <i>Laryngoscope</i> , 2015 , 125, 1844-8	3.6	11
118	Comparative analysis of tobacco-specific nitrosamines and total N-nitroso compounds in moldovan cigarette tobacco. <i>Journal of Agricultural and Food Chemistry</i> , 2005 , 53, 8082-6	5.7	11
117	Comparative mutagenicity of 4-(carbethoxynitrosamino)-4-(3-pyridyl)butanal and 4-(carbethoxynitrosamino)-1-(3-pyridyl)-1-butanone, model compounds for alpha-hydroxylation of NPnitrosonornicotine. <i>Carcinogenesis</i> , 1986 , 7, 611-4	4.6	11
116	Synthesis and mutagenicity of 5-alkyl-substituted chrysene-1,2-diol-3,4-epoxides. <i>Carcinogenesis</i> , 1988 , 9, 2305-8	4.6	11
115	Interaction of CYP1B1, cigarette-smoke carcinogen metabolism, and lung cancer risk. <i>International Journal of Molecular Epidemiology and Genetics</i> , 2010 , 1, 295-309	0.9	11
114	Chemoprevention by Isothiocyanates 2004 , 21-35		11
113	Tobacco Smoke Carcinogens and Lung Cancer 2011 , 53-74		11
112	FEMA GRAS assessment of natural flavor complexes: Clove, cinnamon leaf and West Indian bay leaf-derived flavoring ingredients. <i>Food and Chemical Toxicology</i> , 2020 , 145, 111585	4.7	11
111	Effect of cigarette smoking on urinary 2-hydroxypropylmercapturic acid, a metabolite of propylene oxide. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014 , 953-954, 126-31	3.2	10
110	Abstinence and relapse rates following a college campus-based quit & win contest. <i>Journal of American College Health</i> , 2010 , 58, 365-72	2.2	10
109	Investigation of the reaction of myosmine with sodium nitrite in vitro and in rats. <i>Chemical Research in Toxicology</i> , 2007 , 20, 543-9	4	10
108	Urinary biomarkers to assess exposure of cats to environmental tobacco smoke. <i>American Journal of Veterinary Research</i> , 2007 , 68, 349-53	1.1	10
107	Preliminary study on reducing oral moist snuff use. <i>Drug and Alcohol Dependence</i> , 2003 , 70, 215-20	4.9	10
106	Effects of catechol on the induction of tumors in mouse skin by 7,8-dihydroxy-7,8-dihydrobenzo[a]pyrenes. <i>Carcinogenesis</i> , 1989 , 10, 1897-900	4.6	10
105	Distribution and metabolism of NPnitrosonornicotine in the miniature pig. <i>Carcinogenesis</i> , 1987 , 8, 1741-7.6	4.6	10
104	Mutagenicity and tumor initiating activity of methylated benzo[b]fluoranthenes. <i>Carcinogenesis</i> , 1985 , 6, 1023-5	4.6	10

103	Identification of 4-(3-Pyridyl)-4-oxobutyl-2Pdeoxycytidine Adducts Formed in the Reaction of DNA with 4-(Acetoxymethylnitrosamino)-1-(3-pyridyl)-1-butanone: A Chemically Activated Form of Tobacco-Specific Carcinogens. <i>ACS Omega</i> , 2017 , 2, 1180-1190	3.9	9
102	Analysis of the benzene oxide-DNA adduct 7-phenylguanine by liquid chromatography-nanoelectrospray ionization-high resolution tandem mass spectrometry-parallel reaction monitoring: application to DNA from exposed mice and humans. <i>Chemico-Biological Interactions</i> , 2014 , 215, 40-5	5	9
101	Elevated levels of 1-hydroxypyrene and NPnitrosornicotine in smokers with head and neck cancer: A matched control study. <i>Head and Neck</i> , 2013 , 35, 1096-100	4.2	9
100	Pilot in Vivo Structure-Activity Relationship of Dihyromethysticin in Blocking 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone-Induced O-Methylguanine and Lung Tumor in A/J Mice. <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 7935-7940	8.3	9
99	Clinical and biochemical studies support smokeless tobacco's carcinogenic potential in the human oral cavity. <i>Cancer Prevention Research</i> , 2014 , 7, 23-32	3.2	9
98	Major tobacco companies have technology to reduce carcinogen levels but do not apply it to popular smokeless tobacco products. <i>Tobacco Control</i> , 2011 , 20, 443	5.3	9
97	Deoxygenated phosphorothioate inositol phosphate analogs: synthesis, phosphatase stability, and binding affinity. <i>Bioorganic and Medicinal Chemistry</i> , 2008 , 16, 3419-27	3.4	9
96	Synthesis of stereospecifically deuterated 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanol (NNAL) diastereomers and metabolism by A/J mouse lung microsomes and cytochrome p450 2A5. <i>Chemical Research in Toxicology</i> , 2003 , 16, 782-93	4	9
95	Metabolism of benzo[a]pyrene and 7 beta,8 alpha-dihydroxy-9 alpha, 10 alpha-epoxy-7,8,9,10-tetrahydrobenzo[a] pyrene in lung and liver of newborn mice. <i>Chemico-Biological Interactions</i> , 1989 , 69, 245-57	5	9
94	Bioassay for carcinogenicity of 3,2Pdimethyl-4-nitrosobiphenyl, O-nitrosotoluene, nitrosobenzene and the corresponding amines in Syrian golden hamsters. <i>Cancer Letters</i> , 1983 , 20, 349-54	9.9	9
93	Dual-label high-performance liquid chromatographic assay for femtomole levels of benzo[a]pyrene metabolites. <i>Analytical Biochemistry</i> , 1985 , 146, 442-7	3.1	9
92	FEMA GRAS assessment of natural flavor complexes: Cinnamomum and Myroxylon-derived flavoring ingredients. <i>Food and Chemical Toxicology</i> , 2020 , 135, 110949	4.7	9
91	Analysis of NPnitrosornicotine enantiomers in human urine by chiral stationary phase liquid chromatography-nanoelectrospray ionization-high resolution tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017 , 1044-1045, 127-131	3.2	8
90	Quantitation of enantiomers of r-7,t-8,9,c-10-tetrahydroxy-7,8,9,10-tetrahydrobenzo[a]-pyrene in human urine: evidence supporting metabolic activation of benzo[a]pyrene via the bay region diol epoxide. <i>Mutagenesis</i> , 2014 , 29, 351-6	2.8	8
89	More than 500 trillion molecules of strong carcinogens per cigarette: use in product labelling?. <i>Tobacco Control</i> , 2011 , 20, 387	5.3	8
88	N-Nitroso(2-hydroxyethyl)glycine, a urinary metabolite of N,N-dinitrosopiperazine with potential utility as a monitor for its formation in vivo from piperazine. <i>Carcinogenesis</i> , 1984 , 5, 979-81	4.6	8
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86	Cigarette Smokers Versus Cousers of Cannabis and Cigarettes: Exposure to Toxicants. <i>Nicotine and Tobacco Research</i> , 2020 , 22, 1383-1389	4.9	8

85	Differences in exposure to toxic and/or carcinogenic volatile organic compounds between Black and White cigarette smokers. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2021 , 31, 211-223	6.7	8
84	Longitudinal stability in cigarette smokers of urinary eicosanoid biomarkers of oxidative damage and inflammation. <i>PLoS ONE</i> , 2019 , 14, e0215853	3.7	7
83	Urinary Cyanoethyl Mercapturic Acid, a Biomarker of the Smoke Toxicant Acrylonitrile, Clearly Distinguishes Smokers From Nonsmokers. <i>Nicotine and Tobacco Research</i> , 2020 , 22, 1744-1747	4.9	7
82	Dietary Dihyromethysticin Increases Glucuronidation of 4-(Methylnitrosamino)-1-(3-Pyridyl)-1-Butanol in A/J Mice, Potentially Enhancing Its Detoxification. <i>Drug Metabolism and Disposition</i> , 2016 , 44, 422-7	4	7
81	Formation and distribution of NNK metabolites in an isolated perfused rat lung. <i>Drug Metabolism and Disposition</i> , 2010 , 38, 752-60	4	7
80	Oral creatine supplementation in humans does not elevate urinary excretion of the carcinogen N-nitrososarcosine. <i>Nutrition</i> , 2006 , 22, 332-3	4.8	7
79	Synthesis of anti-7,8-dihydroxy-9,10-epoxy-7,8,9, 10-tetrahydro-11-methylbenzo[a]pyrene and its reaction with DNA. <i>Chemical Research in Toxicology</i> , 1999 , 12, 341-6	4	7
78	Carcinogenicity of tobacco-specific N-nitrosamines (TSNA): the role of the vascular network in the selection of target organs. <i>Critical Reviews in Toxicology</i> , 1991 , 21, 255-64	5.7	7
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76	Prediagnostic levels of urinary 8-epi-prostaglandin F2 and prostaglandin E2 metabolite, biomarkers of oxidative damage and inflammation, and risk of hepatocellular carcinoma. <i>Carcinogenesis</i> , 2019 , 40, 989-997	4.6	7
75	Chemical biomarkers of exposure and early damage from potentially carcinogenic airborne pollutants. <i>Annals of Cancer Epidemiology</i> , 2019 , 3, 5-5	1.3	6
74	Mass Spectrometric Quantitation of Pyridyloxobutyl DNA Phosphate Adducts in Rats Chronically Treated with NPNitrosornicotine. <i>Chemical Research in Toxicology</i> , 2019 , 32, 773-783	4	6
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67	Carcinogen-derived biomarkers and lung cancer. <i>Preventive Medicine</i> , 1996 , 25, 7-9	4.3	6
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64	Comparative tumor initiating activity of 10-methylbenzo-[a]pyrene, 7,10-dimethylbenzo[a]pyrene and benzo[a]pyrene. <i>Cancer Letters</i> , 1978 , 5, 179-83	9.9	6
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62	FEMA expert panel review of p-mentha-1,8-dien-7-al genotoxicity testing results. <i>Food and Chemical Toxicology</i> , 2016 , 98, 201-209	4.7	6
61	Methyl DNA phosphate adduct formation in lung tumor tissue and adjacent normal tissue of lung cancer patients. <i>Carcinogenesis</i> , 2019 , 40, 1387-1394	4.6	5
60	Effects of 2-Phenethyl Isothiocyanate on Metabolism of 1,3-Butadiene in Smokers. <i>Cancer Prevention Research</i> , 2020 , 13, 91-100	3.2	5
59	Quantitative Liquid Chromatography-Nanoelectrospray Ionization-High-Resolution Tandem Mass Spectrometry Analysis of Acrolein-DNA Adducts and Etheno-DNA Adducts in Oral Cells from Cigarette Smokers and Nonsmokers. <i>Chemical Research in Toxicology</i> , 2020 , 33, 2197-2207	4	5
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36	Cigarette smoking enhances the metabolic activation of the polycyclic aromatic hydrocarbon phenanthrene in humans. <i>Carcinogenesis</i> , 2021 , 42, 570-577	4.6	3
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